

Hisham Alharbi

PhD Candidate

Kingdome of Saudi Arabia



وزارة الصحة
Ministry of Health

MeBoP

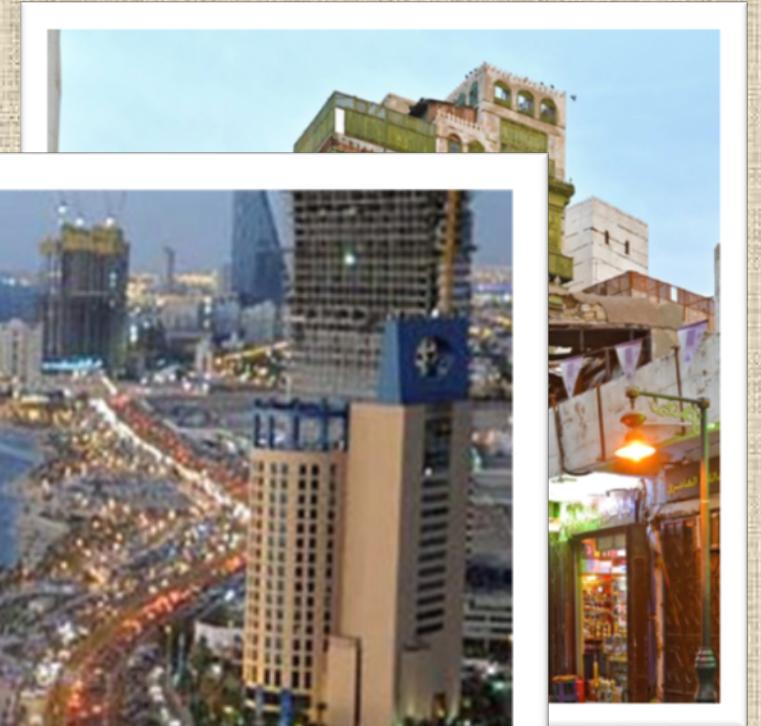
Middle Eastern Biology
of Parasitism

KSA in the World

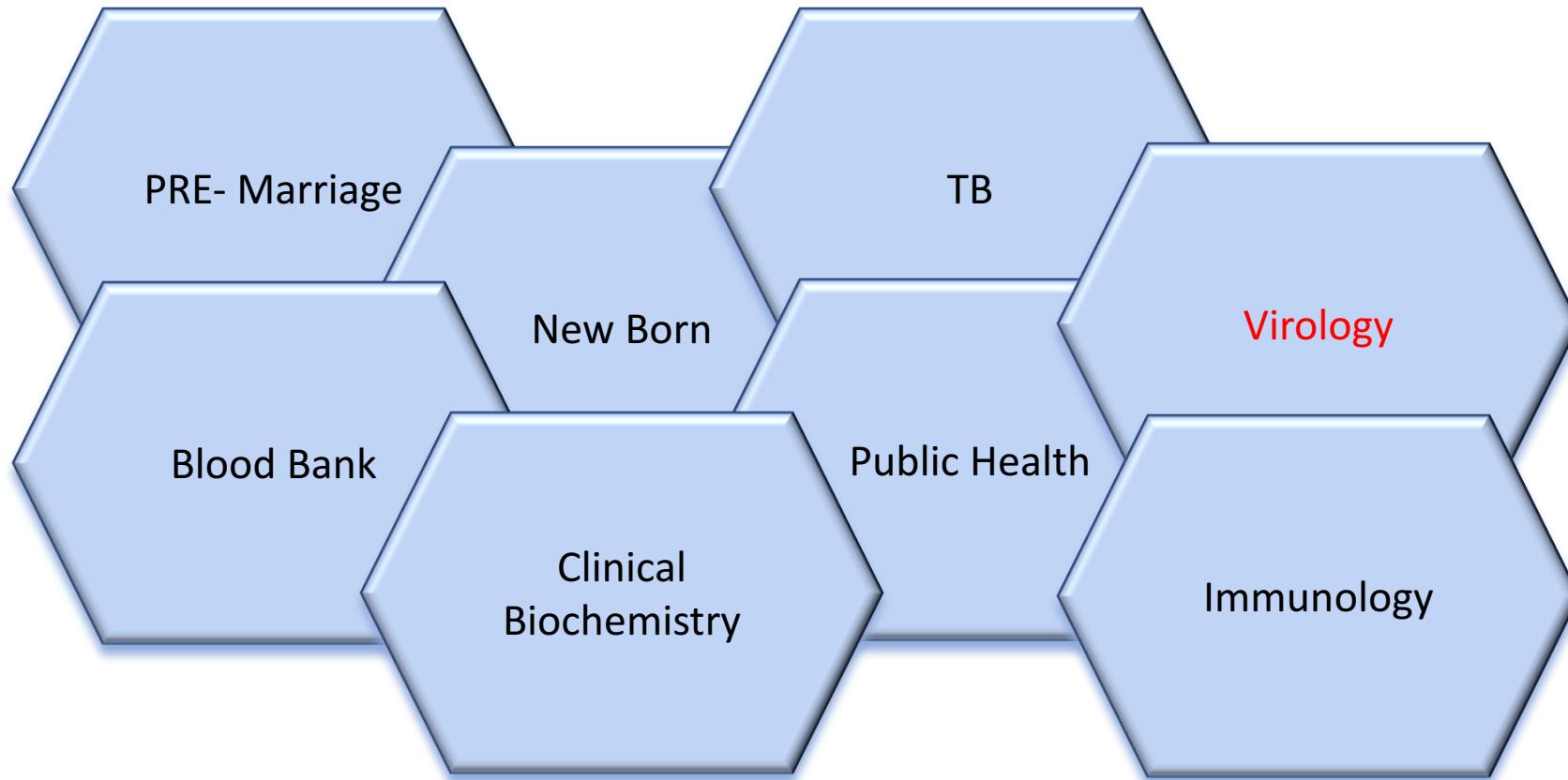
- 1- Commercial city
- 2-Main Port with an international airport
- 3-population 4 million



Post Cards from Jeddah



Jeddah Regional Laboratory



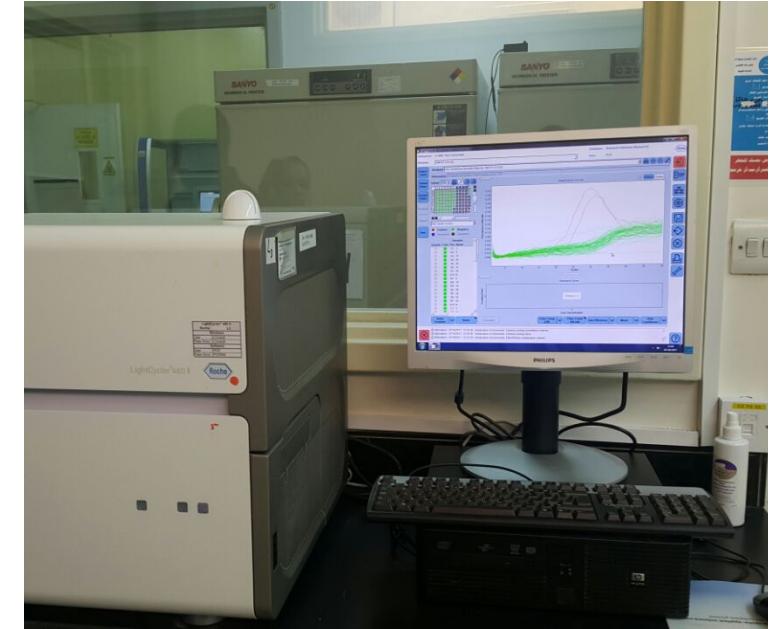


Jeddah Regional Laboratory

Virology Department



Extraction unite



qPCR unite

Real Time PCR single and Multiplex

- Viral Load

1- HIV

2-HCV

3-HBV

4-CMV

- Haemorrhagic Fever Viruses

1- Dengue

2-Alkurma

3-Chikengunya

4-Rift Valley

5-Zika virus

6- West Nile

- Respiratory viruses

1-MERS COV

2-Influnza A&B

Vector Born Department



Hisham
Malaria Program



Hijri
Schistosoma
Program



Ashwaq
Vector control



Abdulwahab
Malaria Program

Main aim and Goal

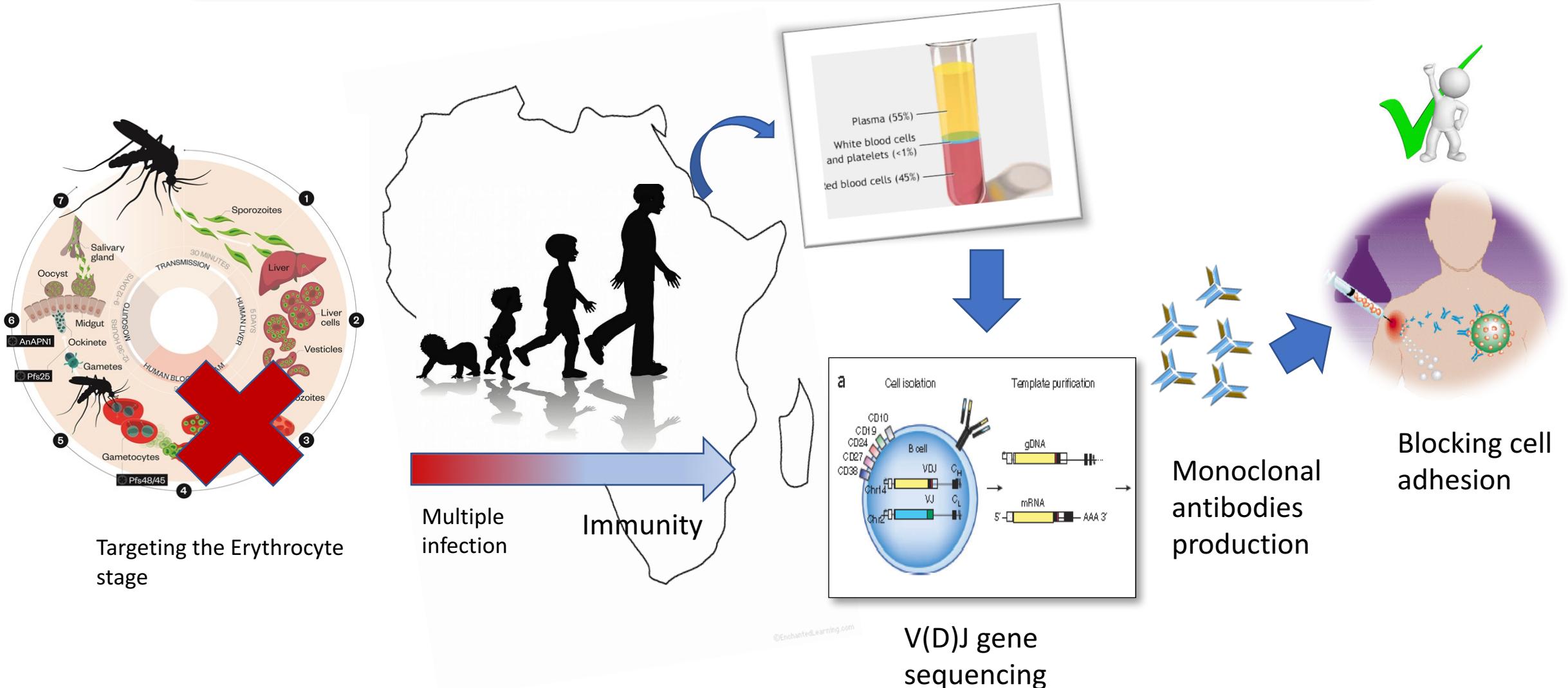
- The National Central Laboratory
 - 1- An elite Institution in the middle east that lead research, build strategies, policies and methods in eliminating infectious diseases.
 - 2- Contribute in the world of Science with new discovery, Knowledge, Training and mentoring for new researchers.

Moving to the United Kingdome

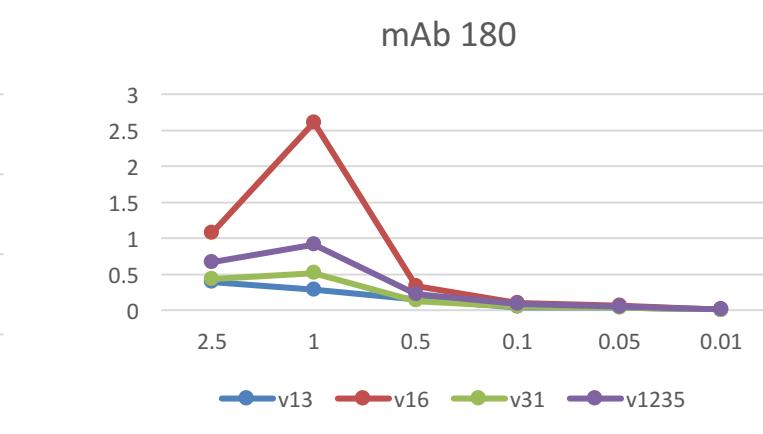
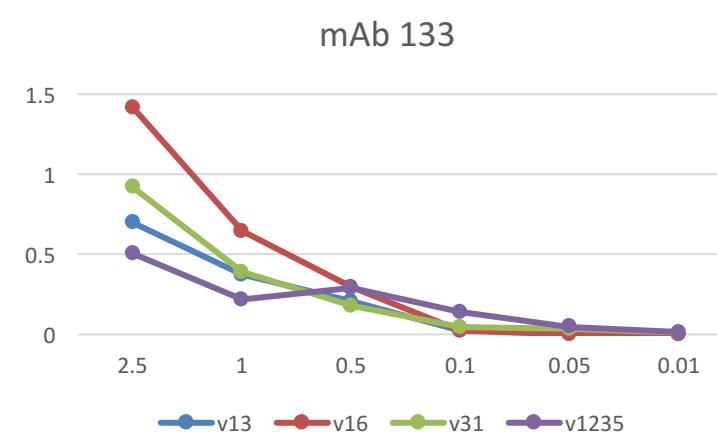
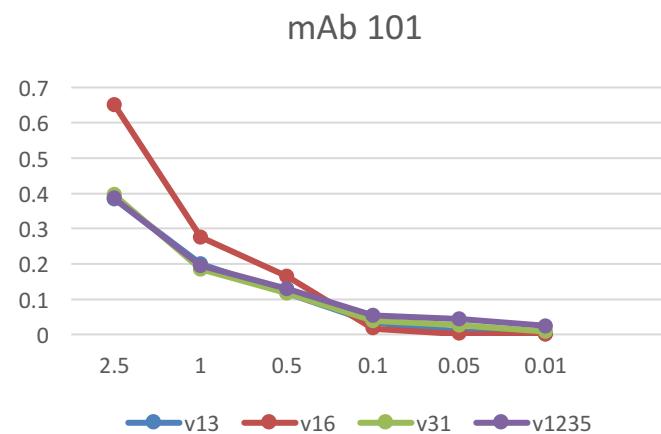
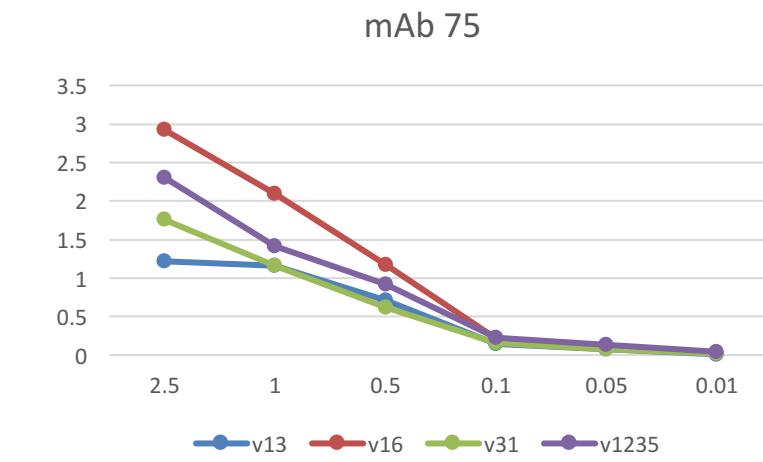
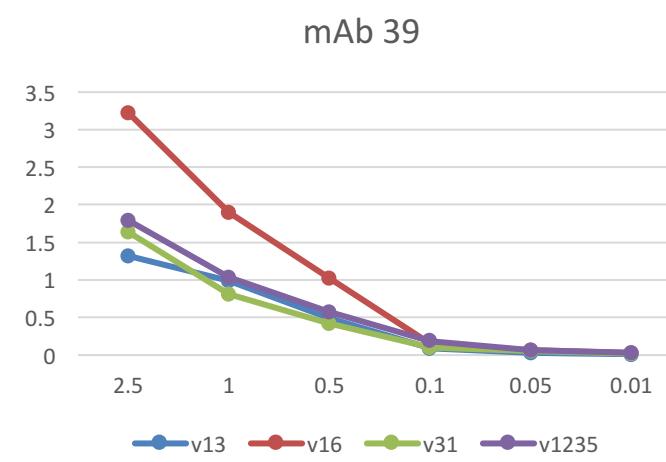
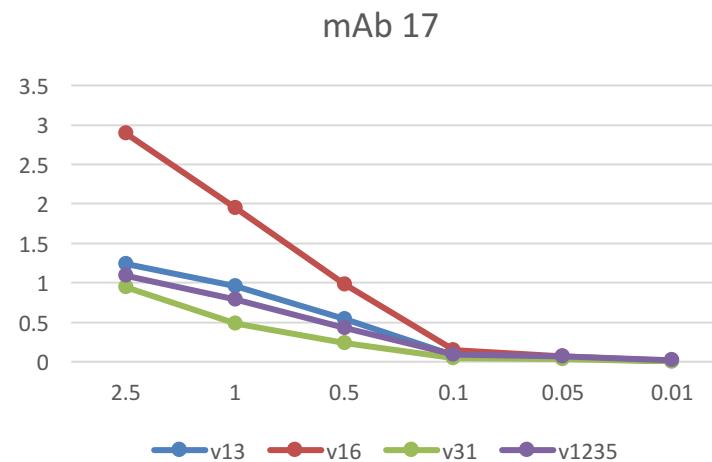


B cell responses to PfEMP1 domains mediating adhesion to the intercellular adhesion molecule 1

Hisham Alharbi, Pilar reqwna, Britta Urban.



Monoclonal Antibodies Titration curves



Next Step

- Characterization of binding of mAbs to different DBL β by ELISA and FACS
- Characterization of blocking of iRBCs adhesion to ICAM-1 by cross-reactive and selected variant-specific antibodies
- Molecular analysis of Ig variable region of cross-reactive versus variant-specific antibodies

Background

- Biochemistry, Faculty of Science KAAU, Jeddah,KSA
- MSc Anatomy and histological Technique KAAU, Jeddah, KSA
- MSc in Molecular Pathology and Toxicology, Leicester university, UK

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microRNA-10b is a prognostic biomarker for melanoma

Gerald Saldanha^{1,2}, Shona Elshaw¹, Parysatis Sachs¹, Hisham Alharbi¹, Prashant Shah¹, Ann Jothi¹ and J Howard Pringle¹

¹Department of Cancer Studies, University of Leicester, Leicester, UK and ²EMPATH, University Hospitals of Leicester, Leicester, UK

Skills and Expertise

- Molecular Techniques : Genomic extraction, purification, PCR-qPCR, multiplex, Cloning, In-situ hybridization, Immunohistochemistry and DNA sequencing.
- Biochemistry, Immunology, Blood Bank and Haematology
- Cell Culture, Parasites Culture, Transfections and gene silencing, antibodies Productions and pathogens' Proteins production.
- Bioinformatic: Primers Design, Sequence Analysis software
- Access to patients samples.

Difficulties of Research in KSA

- Lack of Expertise in research to conduct strategies and policies for Surveillances and eliminations of infectious diseases.
- Parasites studies are neglected and undesirable field.
- Lack of Collaborations between Universities and health Authorities.
- No Industrial Companies.
- Collaboration with Researcher known in their field.
- The collaboration for Training and mentoring.

شکری ممکن

